

CLAIMS

1. A dose indicator (A) for a fluid dispenser device (B), said indicator including a rotary element (1) that is displaceable in rotation, and a slide member (4) that is
5 displaceable in translation, said rotary element (1) including a profile (2) co-operating with a projection (5) of said slide member (4), so that each rotation of said rotary element (1) causes said slide member (4) to be displaced in translation, the position of said slide
10 member (4) indicating the number of doses dispensed or the number of doses still to be dispensed, said rotary element (1) being a thin disk including a set of teeth (3), said set of teeth (3) co-operating with actuator means (11, 17) designed to cause said rotary disk (1) to
15 turn, said indicator being characterized in that said actuator means include a drive element (11) secured to a ring (12) surrounding said set of teeth (3), said drive element (11) coming into co-operation with said set of teeth (3) each time a dose is dispensed.
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2. An indicator according to claim 1, in which said profile (2) is a spiral-shaped profile.
3. An indicator according to claim 1 or claim 2, in which
25 said rotary element (1) and said slide member (4) are disposed in a cover (7) including a display window (8).
4. An indicator according to claim 3, in which the rotary element (1), the slide member (4), the actuator means
30 (11, 17), and the cover (7) form a unit which can be assembled in a fluid dispenser device (B).
5. An indicator according to claim 3 or claim 4, in which said slide member (4) slides in guide means (9), such as
35 ribs, provided in said cover (7).

6. An indicator according to any preceding claim, in which said ring (12) includes anti-return means (13) preventing said rotary disk (1) from turning in the direction opposite to the direction in which it is turned by said drive element (11).

7. An indicator according to any preceding claim, in which said actuator means include at least one flexible tab (11).

8. An indicator according to any preceding claim, in which said actuator means include a transmission element (17) which is designed to co-operate with said fluid dispenser device (B) each time said device is actuated, said transmission element (17) also co-operating with said drive element (11) so as to cause said rotary disk (1) to turn.

9. An indicator according to claim 8, in which said transmission element (17) is a shoulder secured to said drive element (11), and co-operating with a portion (18) of the fluid dispenser device (B) which moves during actuation.

10. An indicator according to any preceding claim, in which said slide member (4) comprises a thin plate provided on one side with indicator means (6), and on the other side with said projection (5), said indicator means (6) co-operating with a display window (8) so that said indicator means are visible and/or can be touched by the user.

11. An indicator according to claim 10, in which said indicator means (6) are visual and/or tactile.

12. An indicator according to claim 11, in which said visual indicator means include portions of different

colors, a displacement in translation of said thin plate (4) modifying the distribution of said colors in said display window (8).

5 13. An indicator according to claim 11 or claim 12, in which said tactile indicator means include projecting portions (6) co-operating with projections (10) provided around said window (8), thereby enabling the positions of said moving projecting portions to be located relative to
10 said fixed projections (10) by touch.

14. A fluid dispenser device (B), comprising a fluid reservoir (19) and a dispenser member, such as a pump or a valve, mounted on said reservoir (19), said device
15 being characterized in that it further comprises a dose indicator (A) according to any preceding claim.

15. A device according to claim 14, in which the dose indicator (A) is actuated by a portion (18) of the
20 reservoir (19) which is displaced while the device (B) is being actuated, and which co-operates with a transmission element (17) of said indicator (A).